

Fig. 1

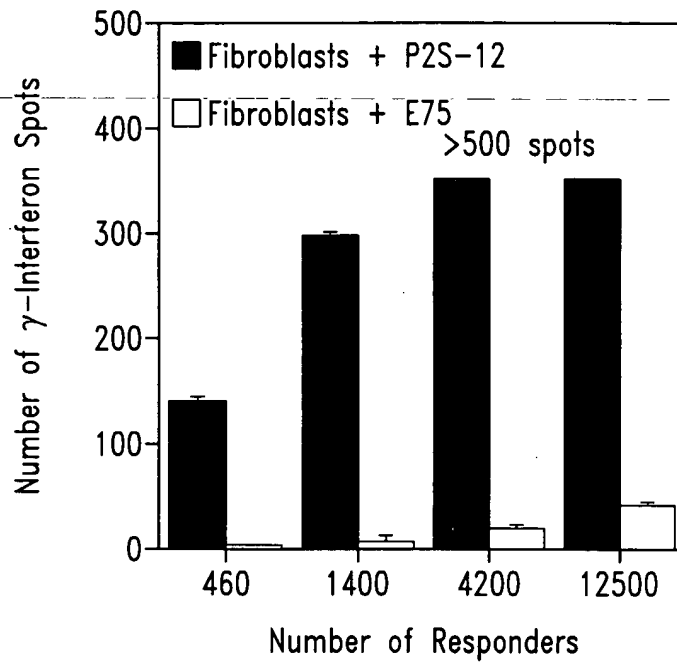


Fig. 2A

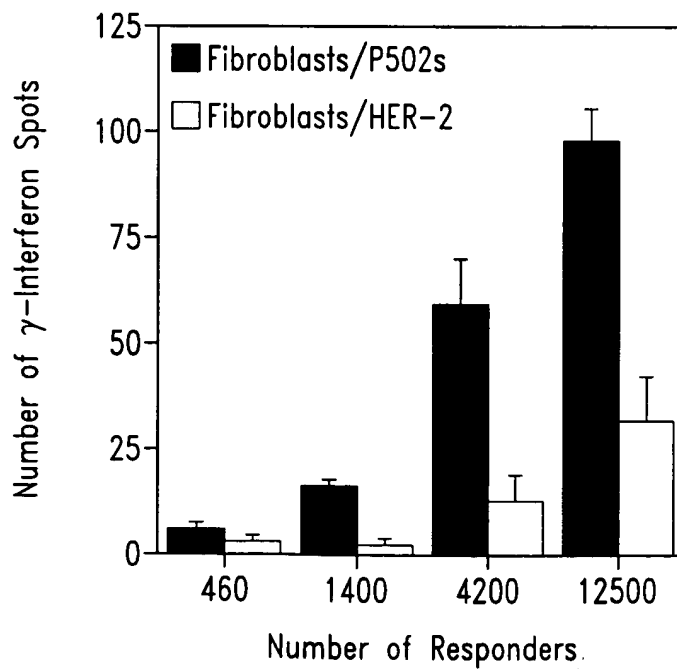


Fig. 2B

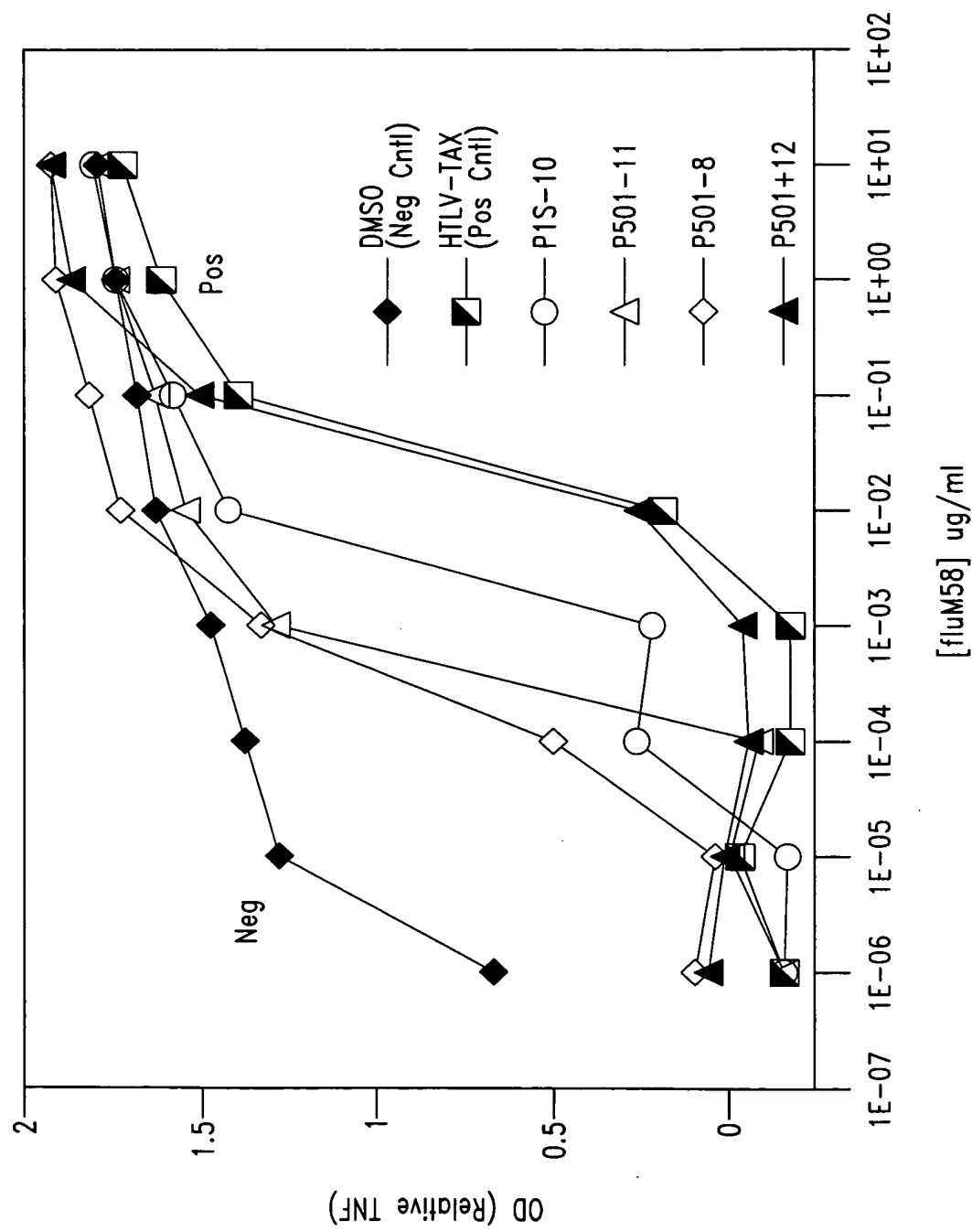


Fig. 3

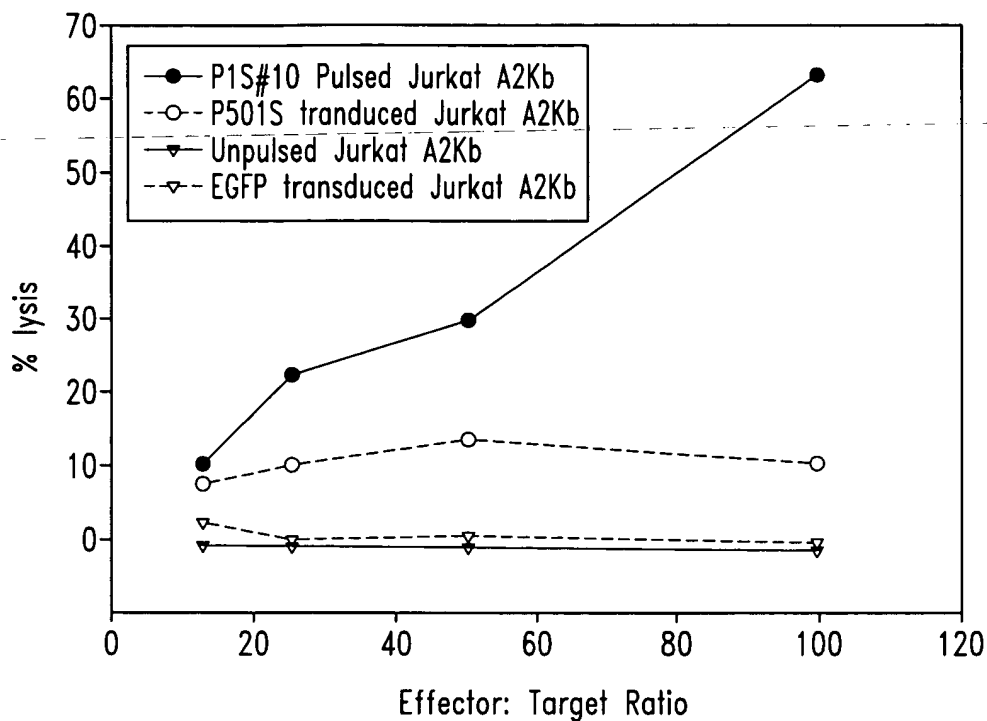


Fig. 4

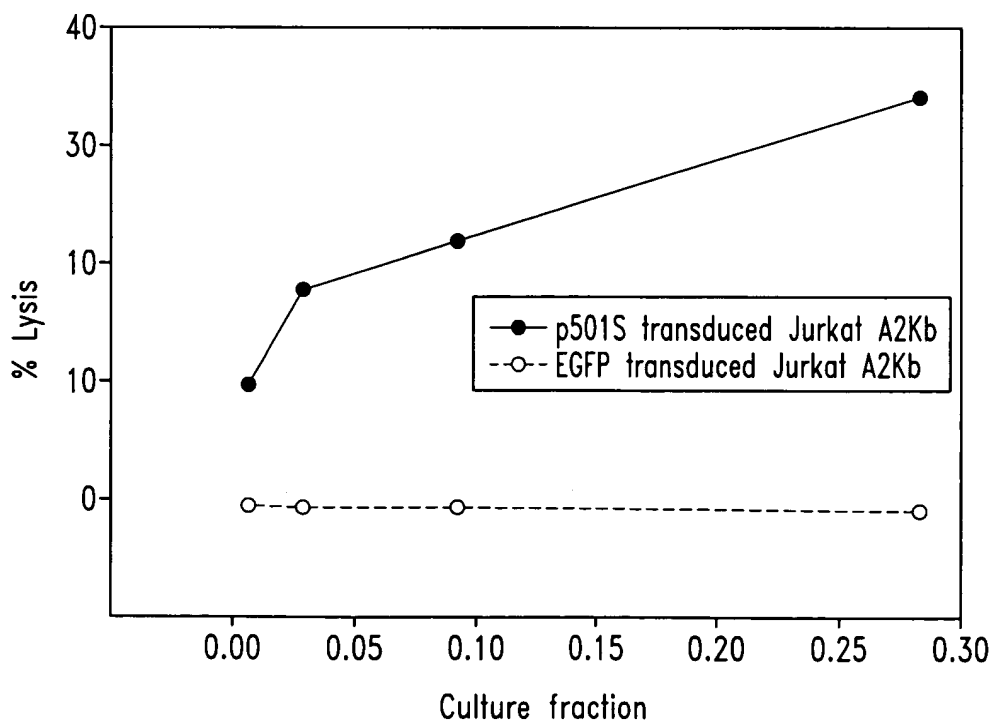


Fig. 5

Y

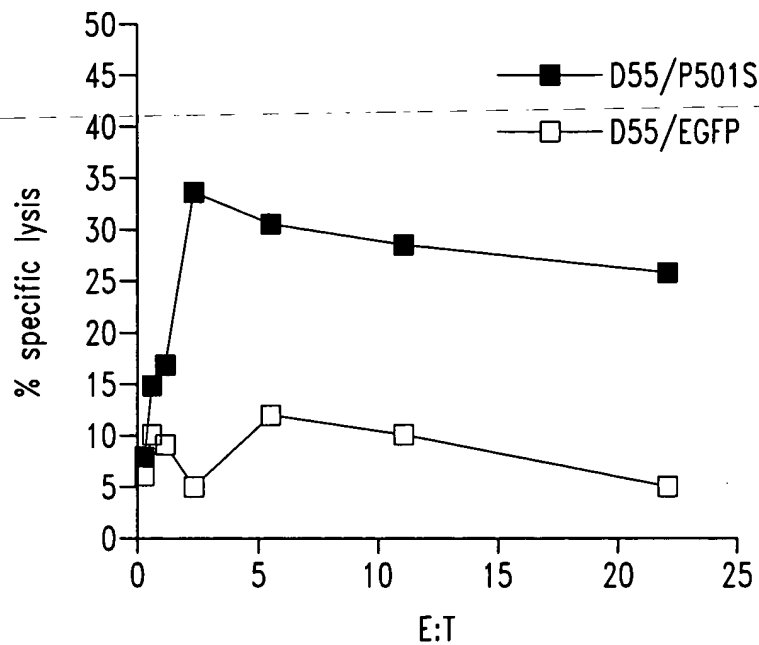


Fig. 6A

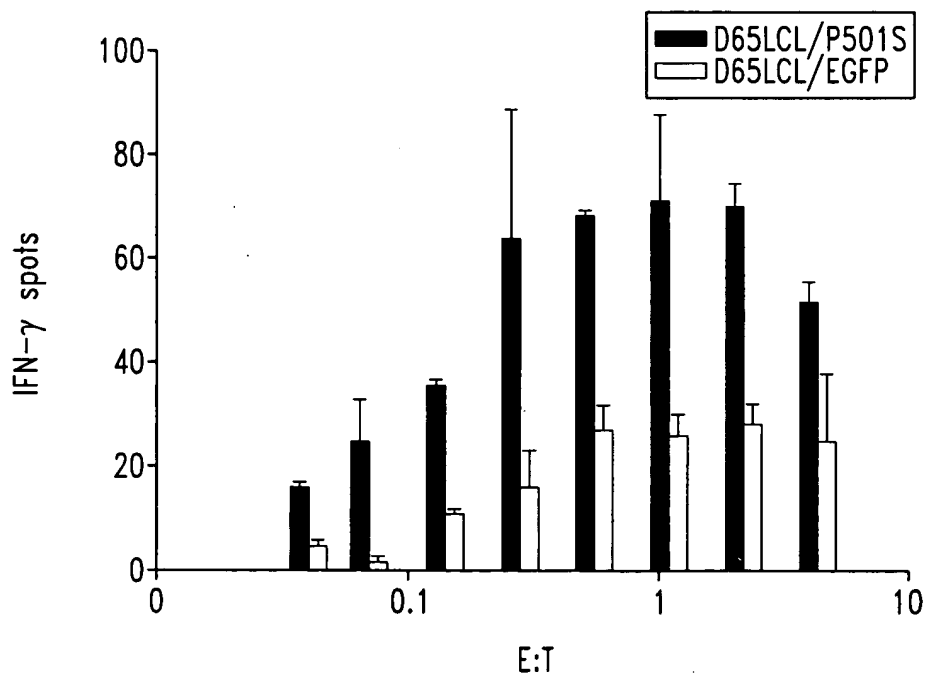
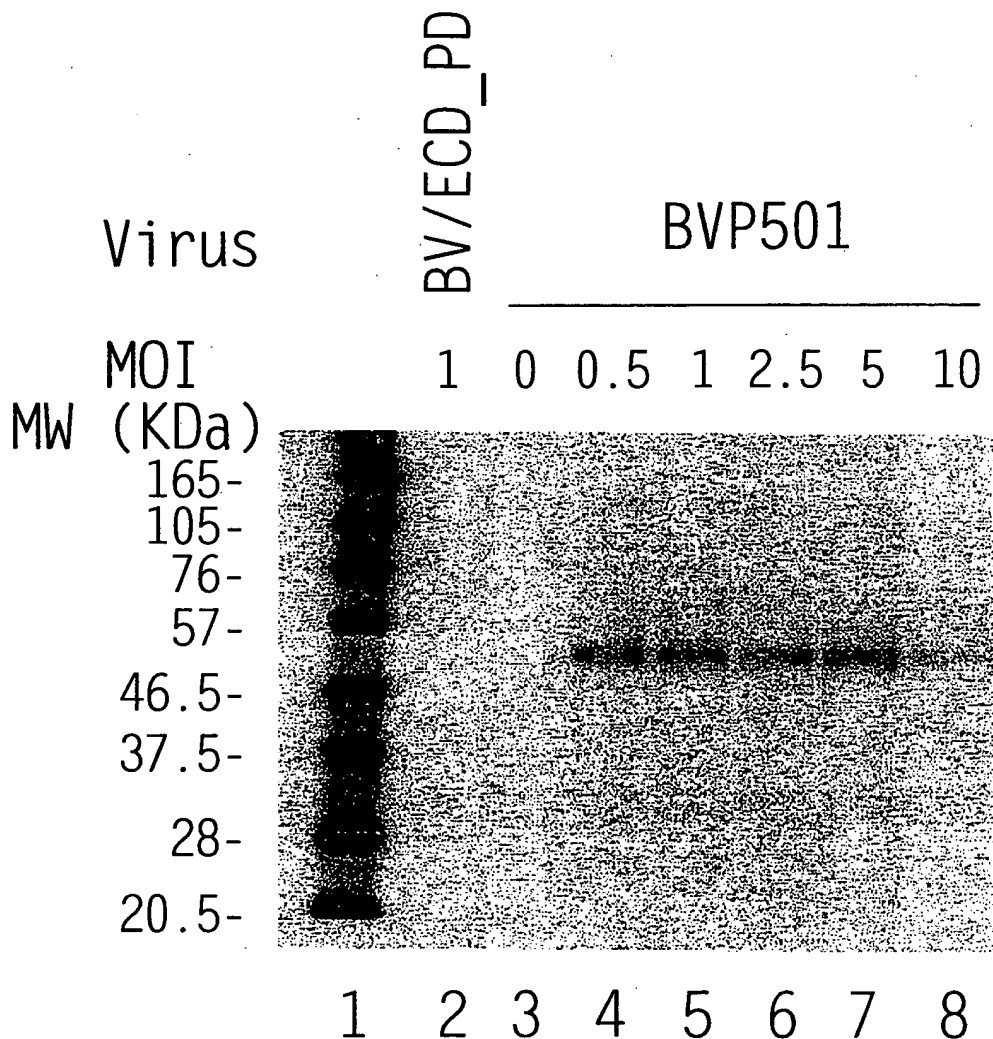


Fig. 6B

Expression of P501S
by the Baculovirus Expression System



C 6 million high 5 cells in 6-well plate were infected with an unrelated control virus BV/ECD_PD (lane2), without virus (lane3), or with recombinant baculovirus for P501 at different MOIs (lane 4-8). Cell lysates were run on SDS-PAGE under the reducing conditions and analyzed by Western blot with a monoclonal antibody against P501S (P501S-10E3-G4D3). Lane 1 is the biotinylated protein molecular weight marker (BioLabs).

Fig. 7



FIGURE 8. Mapping of the epitope recognized by 10E3-G4-D3

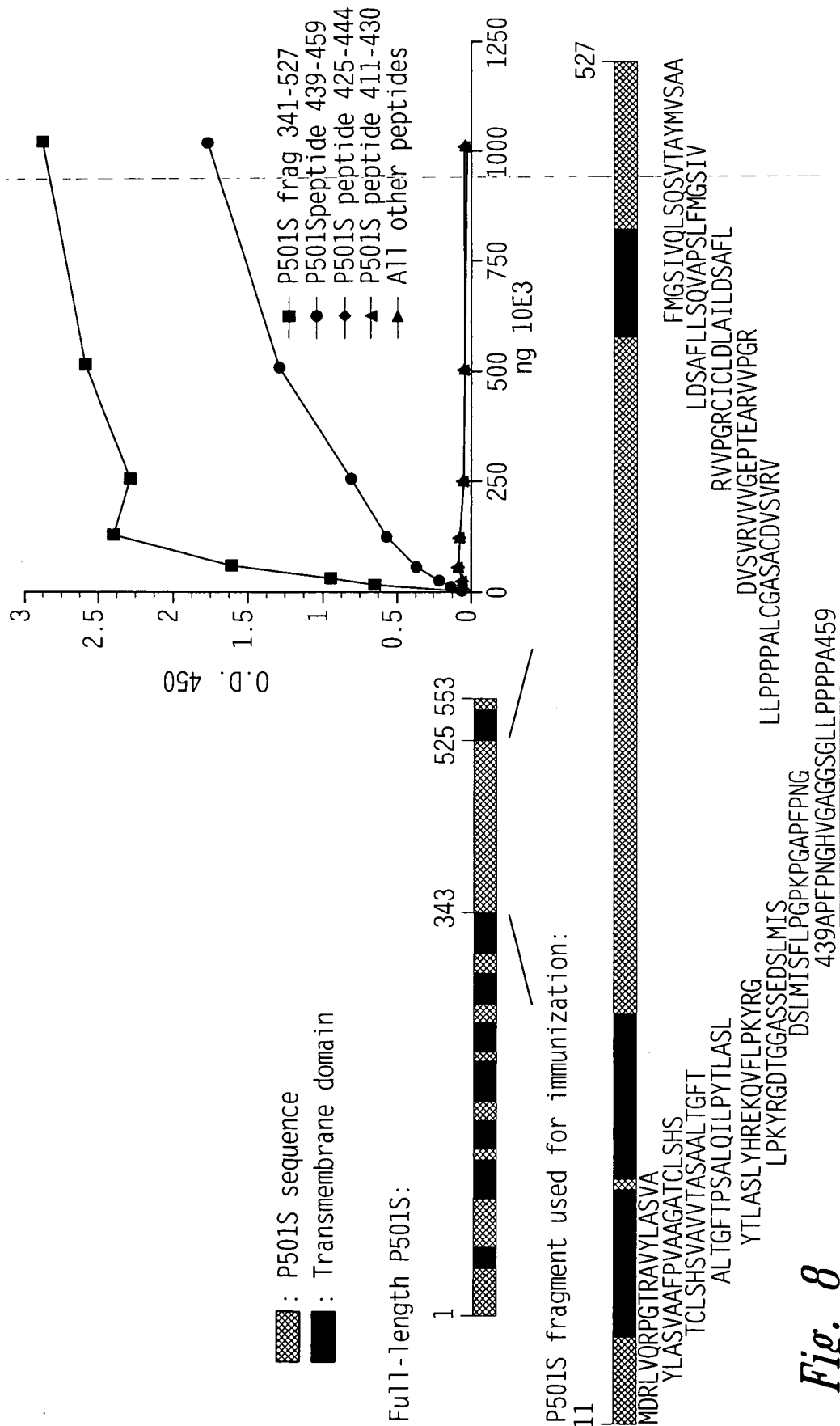


Fig. 8



Schematic of P501S with predicted
transmembrane, cytoplasmic, and extracellular regions

MVQRLWVSRLLRHRK AQLLLVNLLTFGLEVCLAAGIT YVPPLLLEVGVEEKFM
TMVLGIGPVLGLVCYPLLGSAS

DHWRGRYGRRRP FIWALSLGILLSLFLIPRAGWL **AGLLCPDPRPLE** LALLILGVGLLDFCGQVCFTPL

EALLSDLFRDPDHCRCQ AYSVYAFMISLGGCLGYLLPAI **DWDT**SALAPYLG**TQEE**

CLFGLLTLIFLTCVAATLLV AEEAALGPTEPAEGLSAPSLSPHCCPCRARLAFRNLGALLPRL

HQLCCRMPTLRR LFVAELCSWMALMTFTLFYTDF VGEGLYQGV**PRAEPGTEARRHYDEGVR**

MGSLGLFLQCAISLVFSLVM DRLVQRFGTRAVYLAS VAAFPVAAGATCLSHSVAVVTA **SAA**

LTGFTFSALQILPYTLASLY HREKQVFLPKYRGDTGGASSEDSLMTSFLPGPKPGAPFPNGHVGAGGSGL

LPPPPALCGASACDVSVRVVVGEPTEARVVVPRGR ICLDLAILDSAFLLSQVAPSLF **MGSIVQLSQS**

VTAYMVSAAGLGLVAIYFAT QVVFDKSDLAKYSA

Underlined sequence: Predicted transmembrane domain; **Bold sequence**:
Predicted extracellular domain; *Italic sequence*: Predicted intracellular
domain. Sequence in bold/underlined: used generate polyclonal rabbit
serum

Localization of domains predicted using HMMTOP (G.E. Tusnady and I. Simon
(1998) Principles Governing Amino Acid Composition of Integral Membrane
Proteins: Applications to topology Prediction. J. Mol Biol. 283, 489-506.

Fig. 9



Genomic Map of (5) Corixa Candidate Genes

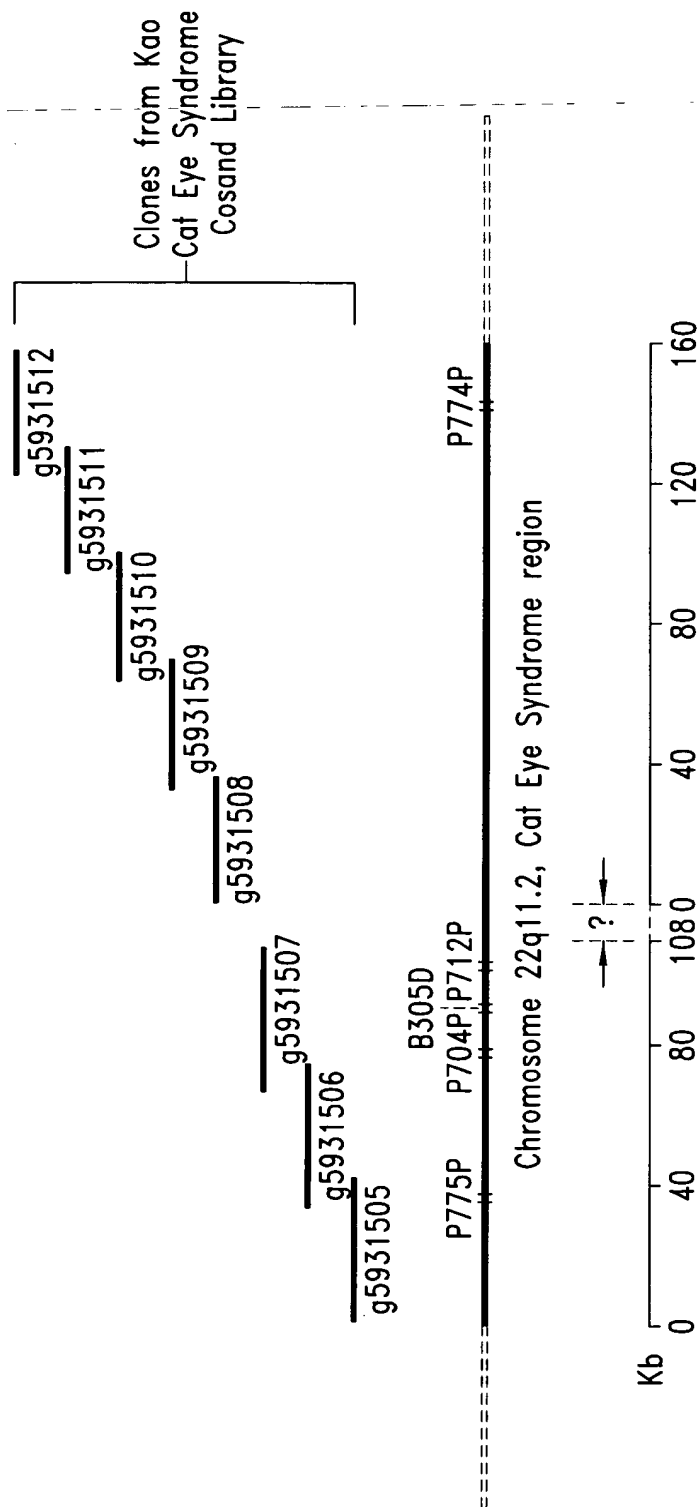


Fig. 10

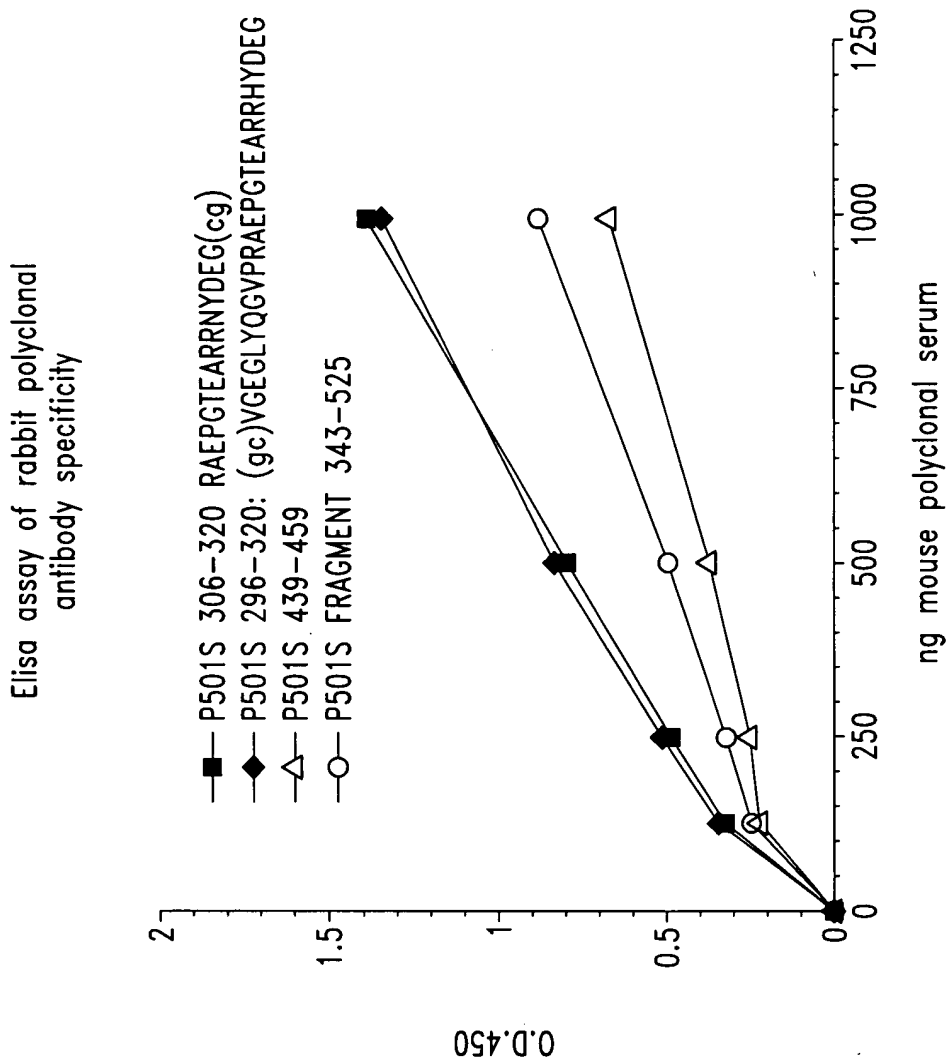


Fig. 11



Title: COMPOSITIONS AND METHODS FOR THERAPY AND DIAGNOSIS OF PROSTATE CANCER

Express Mail No. EV170134038US

Inventor: Jiangchun Xu et al. Serial No. 09/593,793 Docket No. 210121.427C15

GTCACCTAGG AAAAGGTGTC CTTTCGGGCA GCCGGGCTCA GCATGAGGAA CAGAAGGAAT 60
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TACAGTGAAA GCGACTTGGT GAATTTTATT CAAGCAAATT TTAAGAAACG AGAATGTGTC 180
TTCTTTACCA AAGATTCCAA GGCCACGGAG AATGTGTGCA AGTGTGGCTA TGCCCAGAGC 240
CAGCACATGG AAGGCACCCA GATCAACCAA AGTGAGAAAT GGAACTACAA GAAACACACC 300
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AAGTATATAC GTCTGTCTCG CGACACGGAC GCGGAAATCC TTTACGAGCT GCTGACCCAG 420
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GGTGCTTGGA TTCTCACGGG AGGCACCCAT TATGGCCTGA CGAAGTACAT CGGGGAGGTG 600
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GCTGATGTGA TCGCTAGCCT GGTGGAGGTG GAGGATGCCC CGACATCTTC TGCCGTCAAG 1080
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GATGAAGACT TGGCAGAACA GCTGCTGGTC TATTCCTGTG AAGCTTGGGG TGGAAGCAAC 1980
TGTCTGGAGC TGGCGGTGGA GGCCACAGAC CAGCATTTCA CCGCCAGCC TGGGGTCCAG 2040
AATTTTCTTT CTAAGCAATG GTATGGAGAG ATTTCCCGAG ACACCAAGAA CTGGAAGATT 2100

Fig. 12A (1)



ATCCTGTGTC	TGTTTATTAT	ACCCTTGGTG	GGCTGTGGCT	TTGTATCATT	TAGGAAGAAA	2160
CCTGTGCACA	AGCACAAGAA	GCTGCTTTGG	TACTATGTGG	CGTTCCTCAC	CTCCCCCTTC	2220
GTGGTCTTCT	CCTGGAATGT	GGTCTTCTAC	ATCGCCTTCC	TCCTGCTGTT	TGCCTACGTG	2280
CTGCTCATGG	ATTTCCATTC	GGTGCCACAC	CCCCCGAGC	TGGTCCTGTA	CTCGCTGGTC	2340
TTTGTCTCT	TCTGTGATGA	AGTGAGACAG	TGGTACGTAA	ATGGGGTGAA	TTATTTTACT	2400
GACCTGTGGA	ATGTGATGGA	CACGCTGGGG	CTTTTTTACT	TCATAGCAGG	AATTGTATTT	2460
CGGCTCCACT	CTTCTAATAA	AAGCTCTTTG	TATTCTGGAC	GAGTCATTTT	CTGTCTGGAC	2520
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AAGATTATAA	TGCTGCAGAG	GATGCTGATC	GATGTGTTCT	TCTTCCTGTT	CCTCTTTGCG	2640
GTGTGGATGG	TGGCCTTTGG	CGTGGCCAGG	CAAGGGATCC	TTAGGCAGAA	TGAGCAGCGC	2700
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ACCATCCCCC	TGGTGTGCAT	CTACATGTTA	TCCACCAACA	TCCTGCTGGT	CAACCTGCTG	2940
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GAGGGTGTCA	TGAAGGAAAA	CTACCTTGTC	AAGATCAACA	CAAAAGCCAA	CGACACCTCA	3240
GAGGAAATGA	GGCATCGATT	TAGACAACCTG	GATACAAAGC	TTAATGATCT	CAAGGGTCTT	3300
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ATGCTGCAGC	AAGAGGACCC	CGCTCTCTTC	AGGAAAAGTG	TTTTCATTTT	TCAGGATGCT	3900
TCTTACCTGT	CAGAGGAGGT	GACAAGGCAG	TCTCTTGCTC	TCTTGGACTC	ACCAGGCTCC	3960
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ATTATTAAAT	ATTAAAATAT	CGATTTATTA	TTAAAACCAT	TTATAAGGCT		

Fig. 12A (2)



					TTTTCATAAA	4560
TGTATAGCAA	ATAGGAATTA	TTAACTTGAG	CATAAGATAT	GAGATACATG	AACCTGAACT	4620
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GTCCTGTGTA	CTTTTGCACA	ACTGAGAATC	CTGCGGCTTG	GTTTAATGAG	TGTGTTTCATG	5580
AAATAAATAA	TGGAGGAATT	GTCAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	AAAAAAAAAA	5640
AAAAAAAAAA	AAAAAAAAAA	AAAAAAA				5668



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GTQINQSEKWN YKKHTKEFPTDAFGDIQFETLGKKGKYIRLSCDTDAEILYELLTQHWHLKTPNLVISVT
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Fig. 12B